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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,863	09/30/2003	Xiaodong R. Fu	SP03-127	7634
22928	7590 10/18/2006		EXAMINER	
CORNING INCORPORATED			BALDWIN, GORDON	
SP-TI-3-1 CORNING, NY 14831			ART UNIT	PAPER NUMBER
001411110, 1			1775	
			DATE MAILED: 10/18/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

·						
	Application No.	Applicant(s)				
	10/676,863	FU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Gordon R. Baldwin	1775				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 24 Ju	ily 2006.					
· — ·	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ◯ Claim(s) <u>1-31</u> is/are pending in the application. 4a) Of the above claim(s) <u>11-30</u> is/are withdraw						
5)⊠ Claim(s) <u>3</u> is/are allowed. 6)⊠ Claim(s) <u>1,2,4-10 and 31</u> is/are rejected.						
7) Claim(s) is/are objected to.	1					
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers		•				
9) ☐ The specification is objected to by the Examine	r.					
10)☐ The drawing(s) filed on is/are: a)☐ acce						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents						
3. Copies of the certified copies of the prior		ed in this National Stage				
application from the International Bureau * See the attached detailed Office action for a list		ed.				
See the attached detailed Office action for a list	of the defined copies not receive					
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Do 5) Notice of Informal F					
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:					

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,2,4,6, 8-10 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over DeAngelis (Pat. No. 4,888,317)

Consider claims 1,2, 4, 6, 8-10 and 31, DeAngelis discloses a ceramic honeycomb structure with 5.9 mils wall thickness (Col. 6 lines 5-10) and porosities of up to 60%-80% (Col. 3 lines 65-70 and Col. 4 lines 1-20). DeAngelis also discloses the honeycomb comprising the same materials (Col. 4 lines 20-45), as that used in the present application (see embodiment [0017] on page 4 of the specification).

As for the median pore size, it would have been obvious to one having ordinary skill in the art at the time of the invention to adjust the size of the pores in the range of 2-10 micrometers for the intended application, since it has been held that discovering an optimum value of a result effective variable only involves routine skill in the art. In re Boesch, 617 F. 2d 272, 205 USPQ 215

Additionally, while the pore size mentioned in the DeAngelis (1-20 microns, Col. 7 lines 5-20) involved the structural body being made out of metal, it is still considered to teach that a desirable median pore size is 1-20 microns.

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DeAngelis also teaches a ceramic honeycomb structure (Col. 3 lines 60-70 and Col. 4 lines 1-20) and since it has the same structure as the claimed invention and is made by the same material as recited in the specification, the same honeycomb would also have the same physical properties, such as the CTE and the MOR as claimed.

Allowable Subject Matter

Claim 3 is allowed.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gordon R. Baldwin whose telephone number is (571)272-5166. The examiner can normally be reached on M-F 7:45-5:15.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer McNeil can be reached on 571-272-1540. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

GRB

JENNIFER C. MCNEIL SUPERVISORY PATENT EXAMINER 10/12/06